

Figure 1
Dispersion of Carbon Nanotubes by Single-stranded DNA

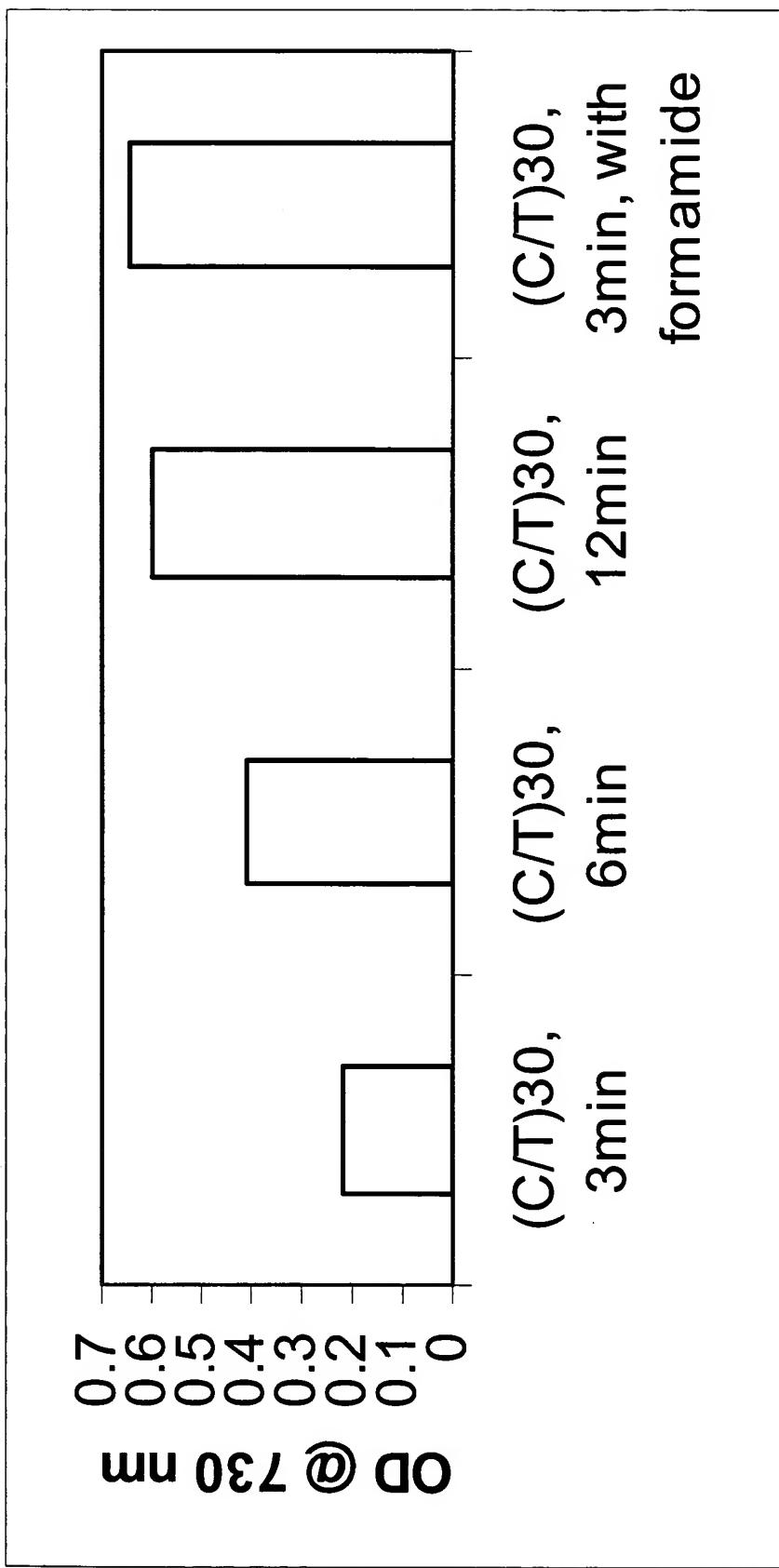
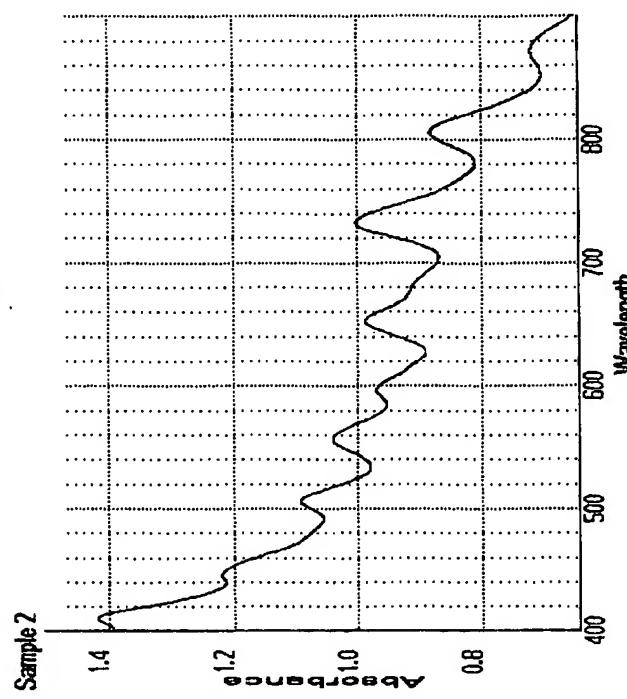


Figure 2

Sonication time and addition of denaturants on dispersion of carbon nanotubes

3A. 0.2 mg/ml ssDNA



3B. 1% SDS

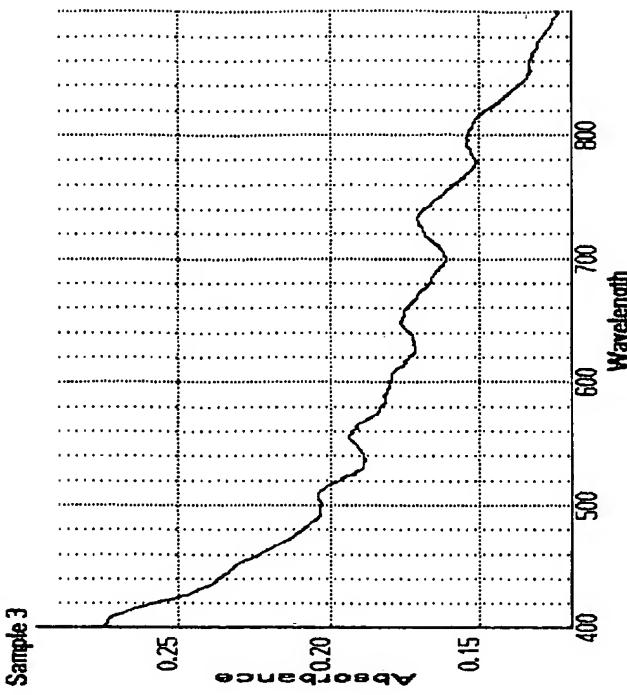
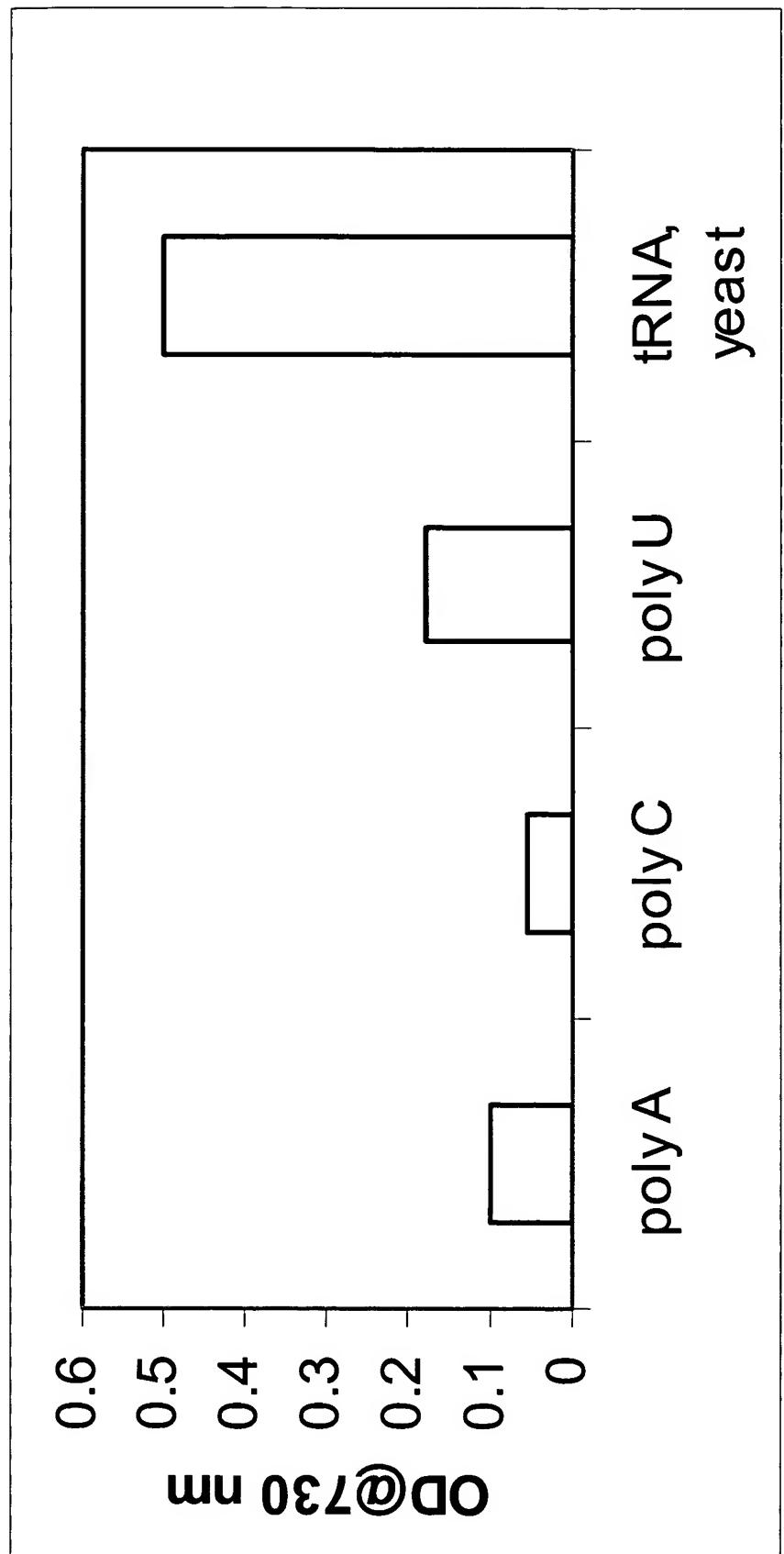


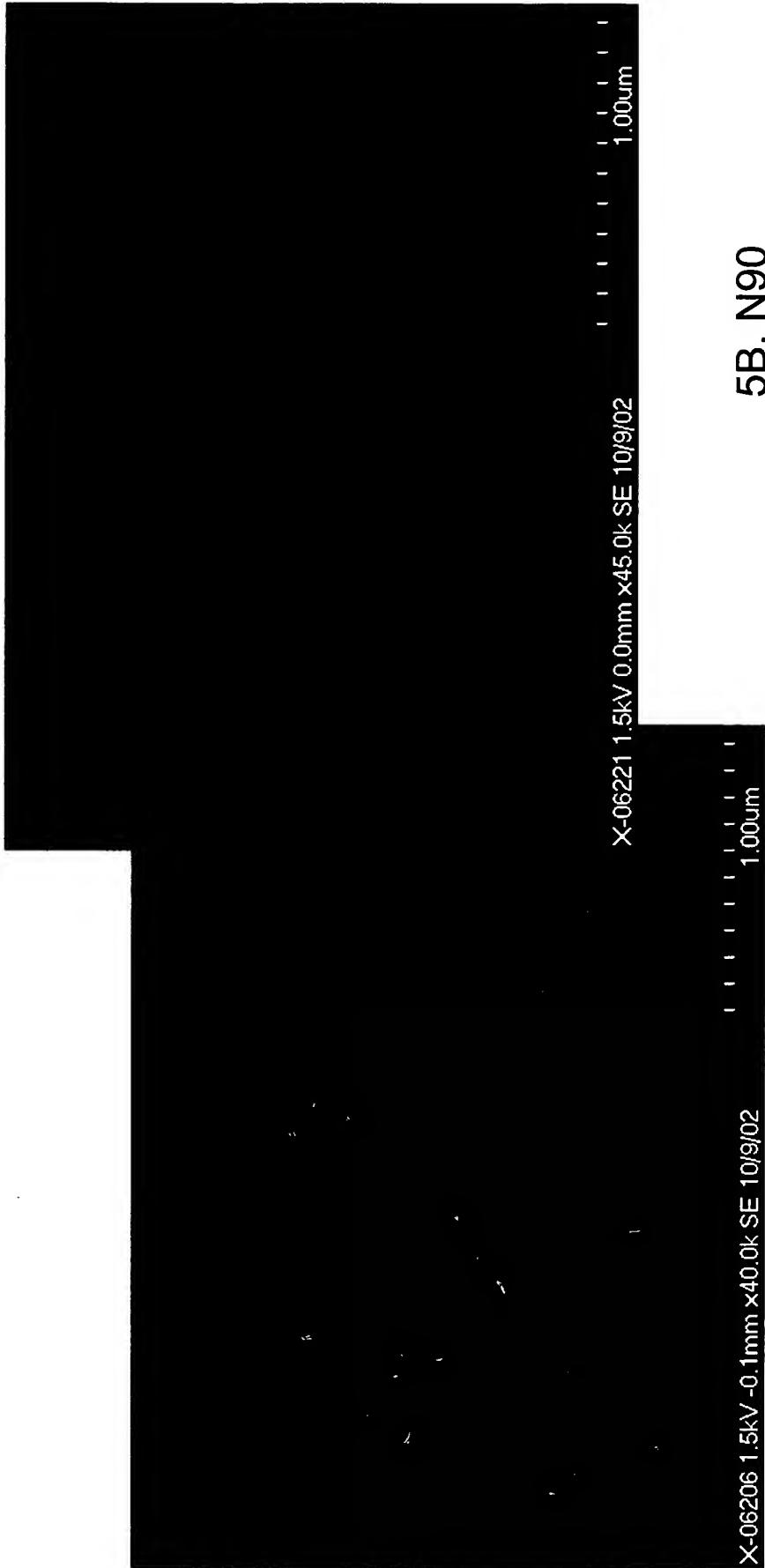
Figure 3

Dispersing of carbon nanotubes by ssDNA versus surfactant



Dispersion of carbon nanotubes by RNA

Figure 4



Immobilization of DNA Dispersed Carbon Nanotubes through Biotin-Streptavidin Interaction

Figure 5

BEST AVAILABLE COPY

BEST AVAILABLE COPY

B

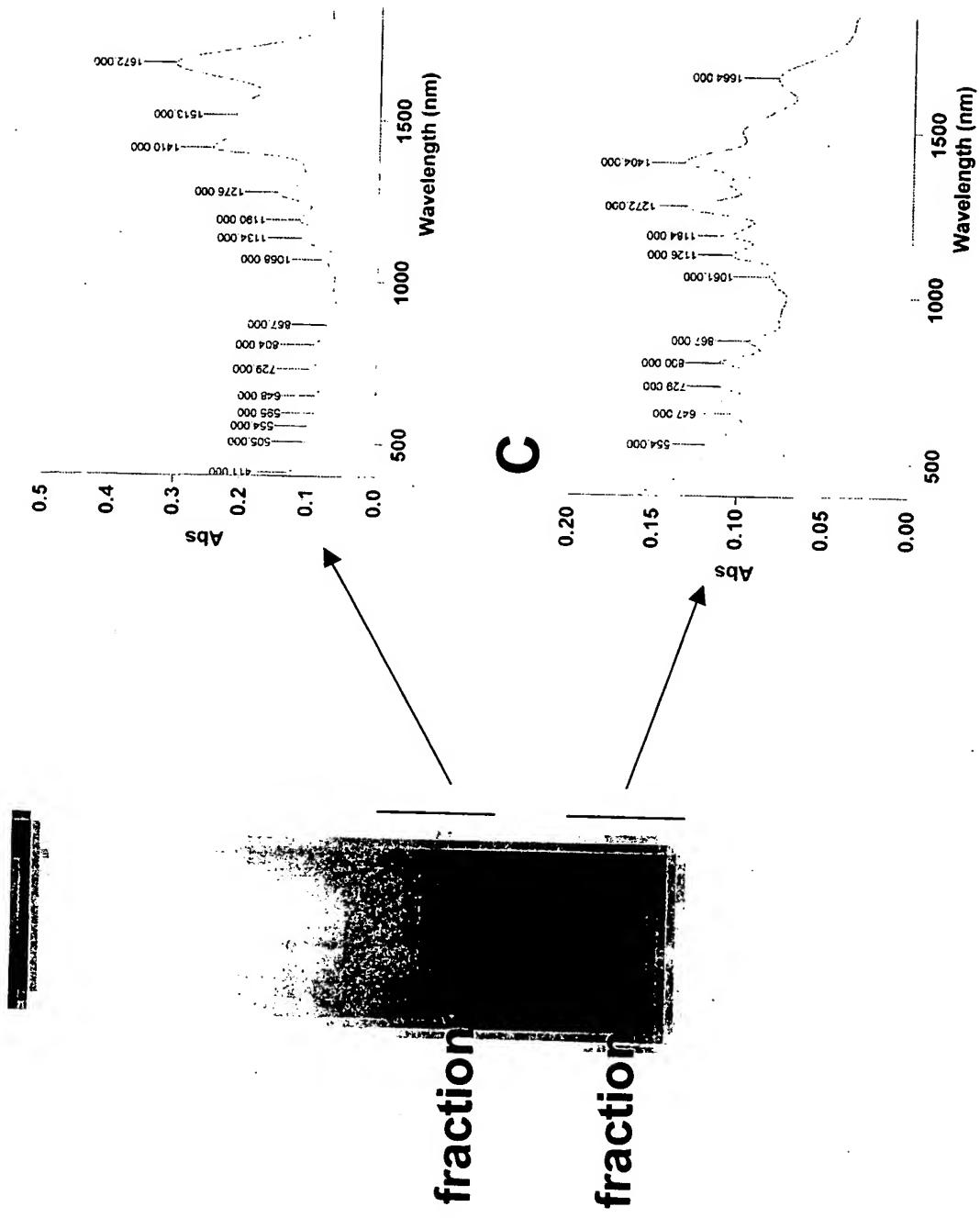
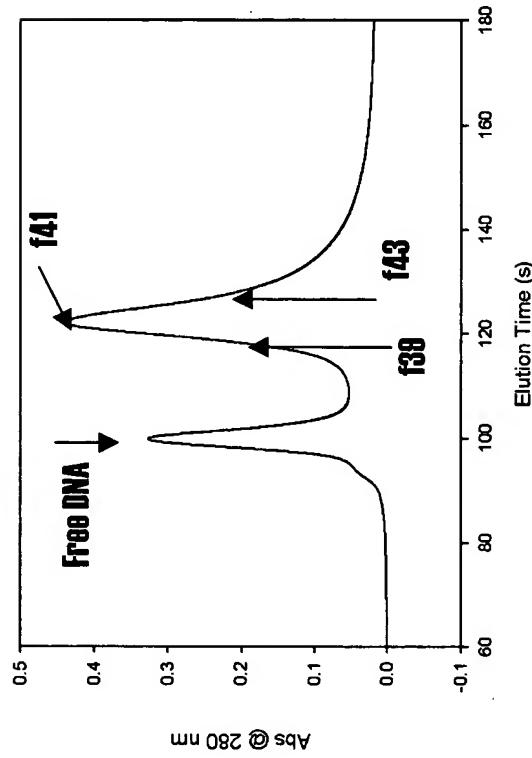


Figure 6

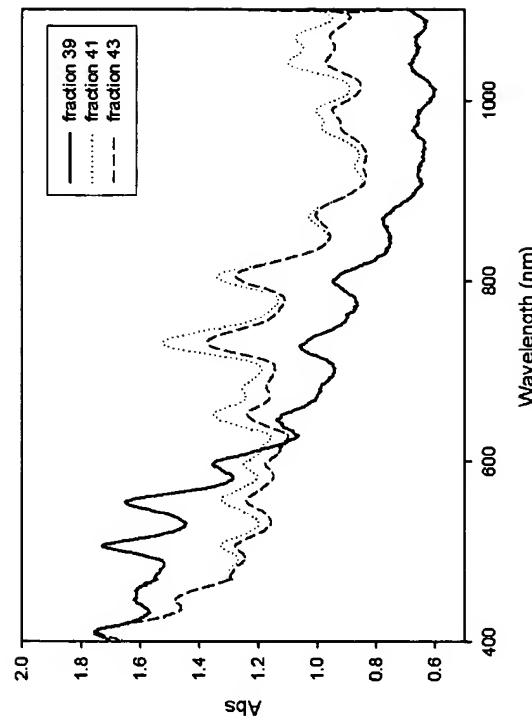
BEST AVAILABLE COPY

A

DNA-CNT Elution Profile (HQ20)

**B**

DNA-CNT Fractionation by Anion Exchange Column

**Figure 7**

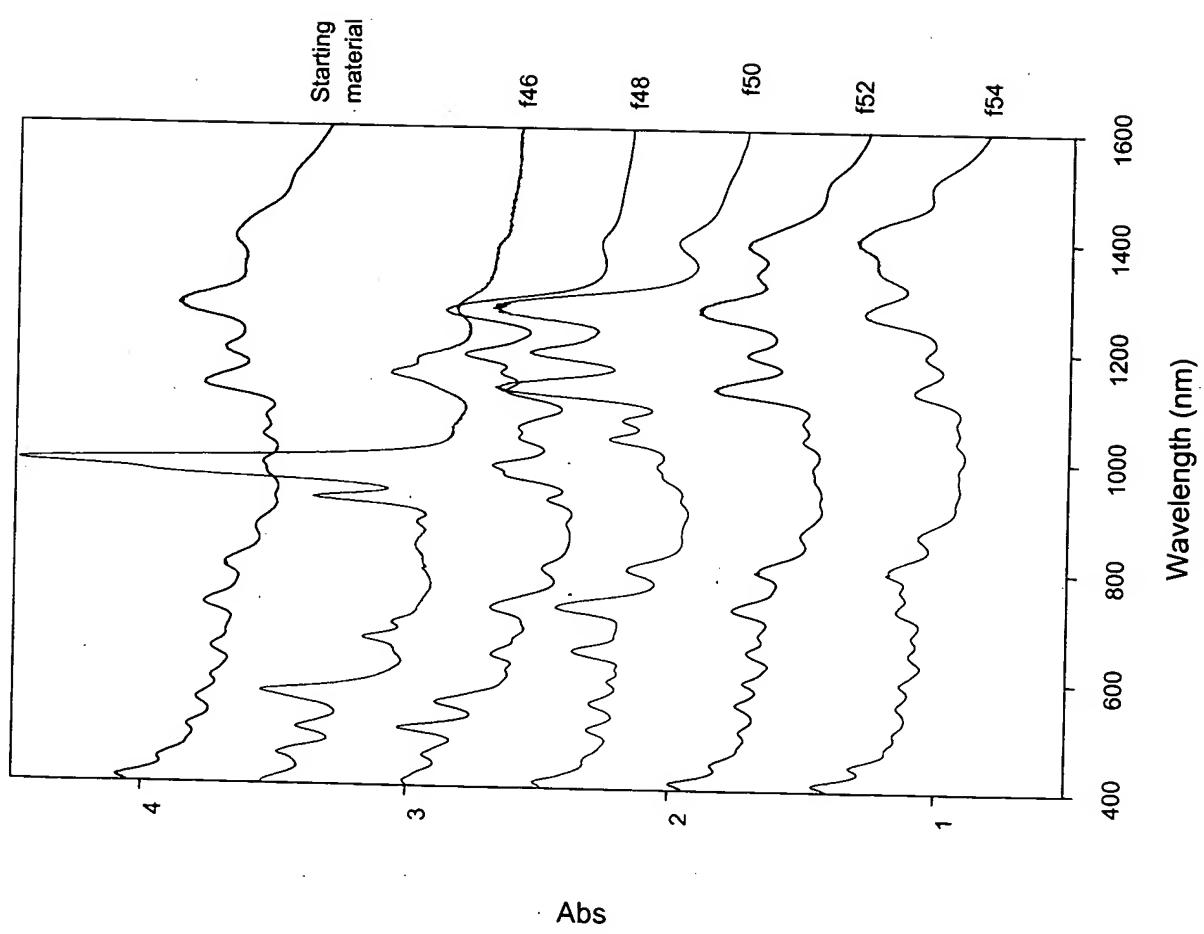


Figure 8. Optical absorption spectra of CNT separated by anion exchange

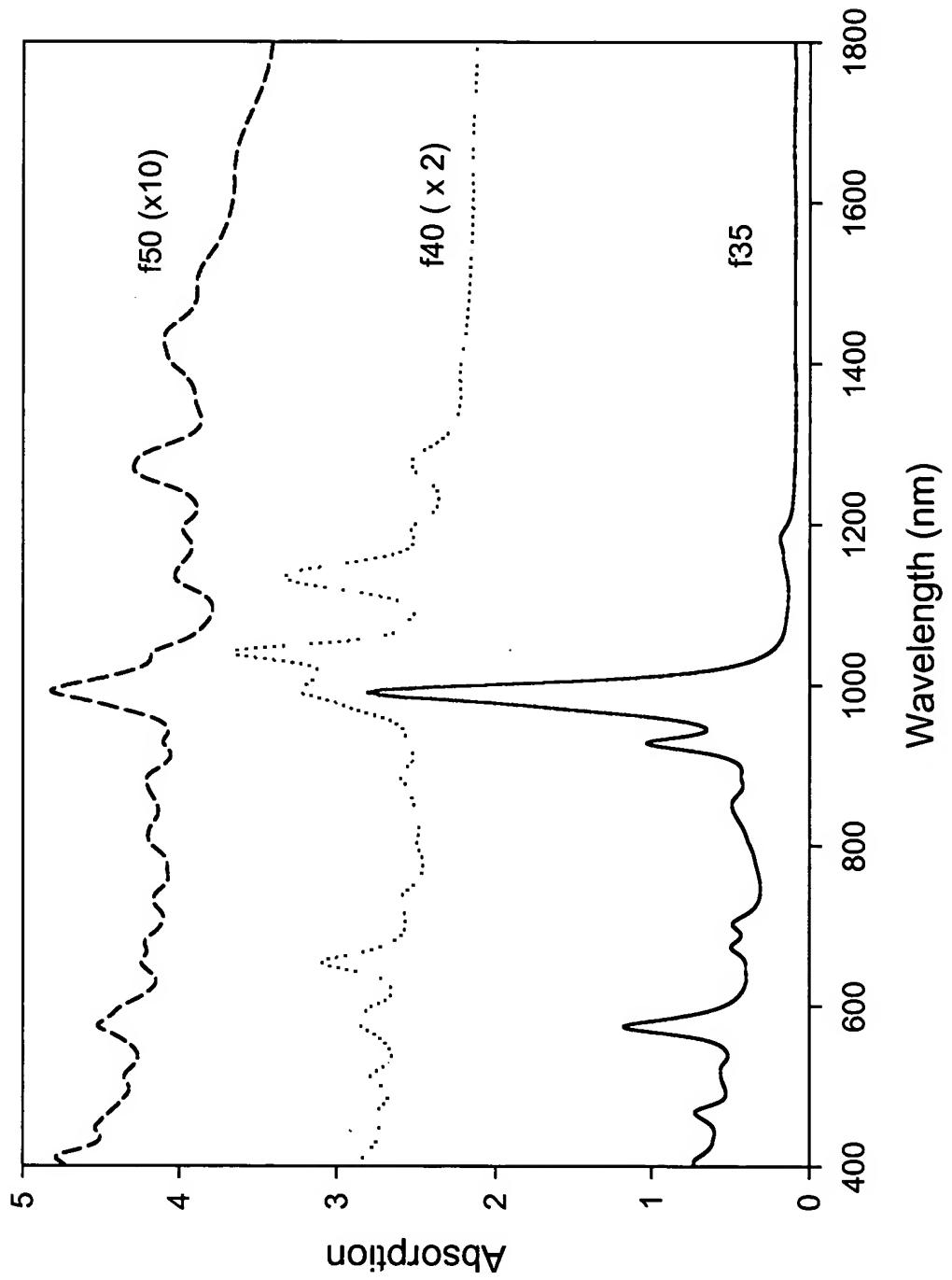


Figure 9. Optical absorption spectra of CNT separated by anion exchange

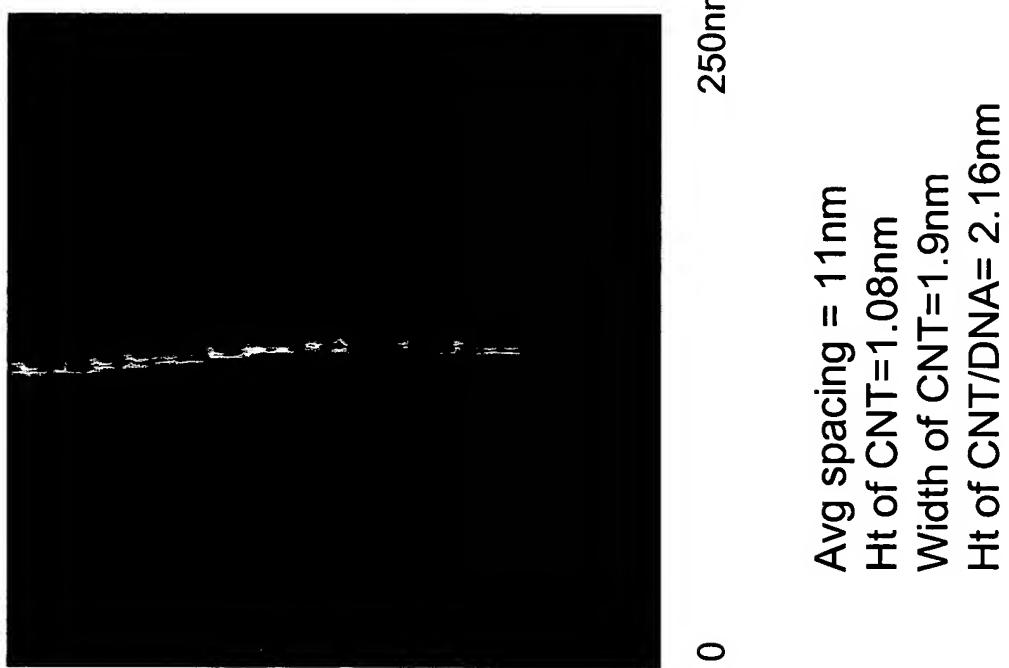
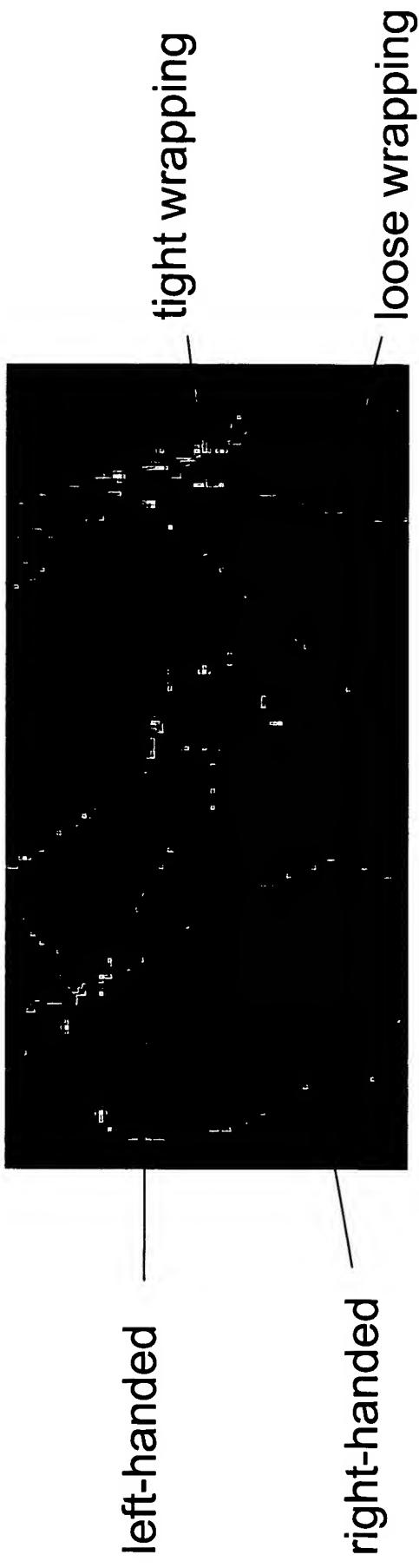


Figure 10
Micrograph of Wrapped Nanotube

BEST AVAILABLE COPY



BEST AVAILABLE COPY

Figure 11
Micrograph of Different Modes of DNA Wrapping on Nanotubes